

Amendments to the Claims:

The following Listing of Claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently amended) A pressure-sensitive adhesive composition for medical pressure-sensitive adhesive tapes, comprising a base polymer containing a pressure-sensitive adhesive polymer obtained by crosslinking or curing a precursor containing a urethane acrylate oligomer having a carboxyl group and an ultraviolet (UV) initiator, wherein the ultraviolet initiator is present in an amount of ~~less than 1.5%~~ 0.01 to 1.0% by weight based on the total amount of the adhesive composition, said base polymer having a glass transition temperature (Tg) of 0°C or less, wherein the pressure-sensitive adhesive composition further comprises a hindered phenol-based antioxidant agent in an amount of 0.03 to 1% by weight based on the total amount of the adhesive composition.

2. (Original) The pressure-sensitive adhesive composition as claimed in claim 1, which further comprises a plasticizer.

3. (Previously Presented) The pressure-sensitive adhesive composition as claimed in claim 1, wherein said urethane acrylate oligomer is an oligomer obtained by reacting a mixture containing a polyalkylene glycol, an organic isocyanate having two or more isocyanate groups, and a compound having both a functional group reactive with the isocyanate group and a (meth)acryloyl group, and a compound having both a functional group reactive with the isocyanate group and a carboxylic group.

4. (Original) The pressure-sensitive adhesive composition as claimed in claim 3, wherein the content of the unit derived from the compound having both a functional group reactive with the isocyanate group and a (meth)acryloyl group in said urethane acrylate oligomer is from 0.35 to 0.6 mol%.

5. (Original) The pressure-sensitive adhesive composition as claimed in claim 4, wherein the content of said unit is from 0.40 to 0.45 mol%.

6. (Previously Presented) The pressure-sensitive adhesive composition as claimed in claim 2, wherein said plasticizer is a hydrophilic plasticizer having, as the hydrophilic group, a hydroxyl group capable of hydrogen-bonding to a carboxyl group.

7-9. (Cancelled)

10. (Previously Presented) A medical pressure-sensitive adhesive tape comprising a highly moisture-permeable substrate having thereon the pressure-sensitive adhesive composition claimed in claim 1.

11. (Previously Presented) A medical pressure-sensitive adhesive tape consisting of a layer of the pressure-sensitive adhesive composition claimed in claim 1.

12. (Currently amended) A method for producing a pressure-sensitive adhesive composition for medical pressure-sensitive adhesive tapes, comprising:

mixing a pressure-sensitive adhesive composition precursor containing a urethane acrylate oligomer having a carboxyl group and an ultraviolet (UV) initiator, wherein the ultraviolet initiator is present in an amount of ~~less than 1.5%~~ 0.01 to 1.0% by weight based on the total amount of the adhesive ~~composition~~ composition,

heating said adhesive composition precursor at a temperature of 50°C to less than 100°C to form a coating solution having a viscosity of 2,000 to 100,000 mPa·s, and

applying said coating solution to a substrate and thereafter, crosslinking or curing said urethane acrylate oligomer to form a base polymer having a glass transition temperature (T_g) of 0°C or less;

wherein the pressure-sensitive adhesive composition further comprises a hindered phenol-based antioxidant agent in an amount of 0.03 to 1% by weight based on the total amount of the adhesive composition.

13. (Currently amended) A medical pressure-sensitive adhesive tape comprising a highly moisture-permeable substrate, and a ~~A pressure-sensitive adhesive composition for medical pressure-sensitive adhesive tapes, the composition~~ comprising a base polymer containing a pressure-sensitive adhesive polymer obtained by crosslinking or curing a precursor containing a urethane acrylate oligomer having a carboxyl group and an ultraviolet (UV) initiator, wherein the ultraviolet initiator is present in an amount of ~~less than 1.5%~~ 0.01 to 1.0% by weight based on the total amount of the adhesive composition, said base polymer having a glass transition temperature (T_g) of 0°C or less; and a plasticizer; wherein the pressure-sensitive adhesive composition further comprises a hindered phenol-based antioxidant agent in an amount of 0.03 to 1% by weight based on the total amount of the adhesive composition,

14. (Previously Presented) The pressure-sensitive adhesive composition as claimed in claim 13, wherein said urethane acrylate oligomer is an oligomer obtained by reacting a mixture containing a polyalkylene glycol, an organic isocyanate having two or more isocyanate groups, and a compound having both a functional group reactive with the isocyanate group and a (meth)acryloyl group, and a compound having both a functional group reactive with the isocyanate group and a carboxylic group.

15. (Previously Presented) The pressure-sensitive adhesive composition as claimed in claim 13, wherein the content of the unit derived from the compound having both a functional group reactive with the isocyanate group and a (meth)acryloyl group in said urethane acrylate oligomer is from 0.35 to 0.6 mol%.

16. (Previously Presented) The pressure-sensitive adhesive composition as claimed in claim 13, wherein said plasticizer is a hydrophilic plasticizer having, as the hydrophilic group, a hydroxyl group capable of hydrogen-bonding to a carboxyl group.

17 - 20. (Cancelled)